

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: YOSHIHIRO HAMAKAWA ET AL
SERIAL NO.: 10/606,900

FILED: 6/27/03

FOR: PHOTOVOLTAIC APPARATUS AND MASS-
PRODUCING APPARATUS FOR MASS-
PRODUCING SPHERICAL SEMICONDUCTOR
PARTICLES

GROUP ART UNIT: 1753

EXAMINER: Alan D. Diamond

ATTY. REFERENCE: HAMA3002D/BEU

COMMISSIONER OF PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

The below identified communication(s) or document(s) is(are) submitted in the above application or proceeding:

- | | |
|--|--|
| <input type="checkbox"/> Declaration | <input type="checkbox"/> Issue Fee Transmittal |
| <input type="checkbox"/> Priority Document | <input type="checkbox"/> Check in the Amount of \$ _____ |
| <input type="checkbox"/> Formal Drawings | <input type="checkbox"/> Application Data Sheet |
| | <input checked="" type="checkbox"/> Information Disclosure Statement w/references (15) |

☒ Please debit or credit **Deposit Account Number 02-0200** for any deficiency or surplus in connection with this communication. A duplicate copy of this sheet is provided for use by the Deposit Account Branch.

☐ Small Entity Status is claimed.

☐

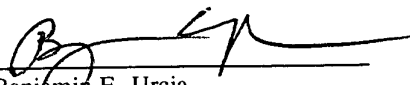
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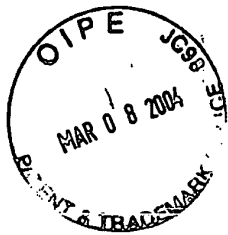
Customer Number

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DATE: March 8, 2004

Respectfully submitted,


Benjamin E. Urcia
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Registration Number: 33,805



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Yoshihiro HAMAKAWA et al:

Serial No: 10/606,900

Filed: 6/27/03

For: Photovoltaic Apparatus and Mass-producing
Apparatus for Mass-producing spherical
Semiconductor particles

) Examiner: Alan D. Diamond

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Group Art Unit: 1753

COMMISSIONER OF PATENTS

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INFORMATION DISCLOSURE STATEMENT

Sir:

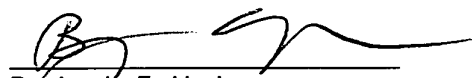
Pursuant to Rule 37 C.F.R. §1.51(b), §1.56, §1.97, and §1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §120 and identified below, is not submitted herewith.

X This Information Disclosure Statement is submitted prior to the mailing date of the first Office Action on the merits received by Applicant in the above-identified application.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 02-0200.

Respectfully submitted,



Benjamin E. Urcia
Registration No. 33,805

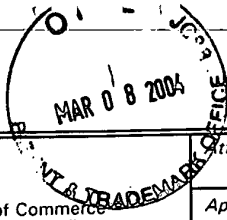
Date: March 8, 2004

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Customer Number

Telephone: (703) 683-0500

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B/O Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	Atty. Docket Number	Serial Number
	HAMA3002D/BEU	10/606,900
	Applicant	
	Yoshihiro HAMAKAWA et al	
	Filing Date	Group
	6/27/03	1753

U.S. Patent Documents

Examiner Initial	Document Number	Date	Patentee/Applicant	Class	Subclass	Filing Date if Appropriate
	5,445,666	8/29/95	Peschka et al			
	4,188,177	2/12/80	Kilby et al			
	4,322,379	3/30/82	Kilby et al			
	RE31,473	12/27/83	Kilby et al			
	6,153,007	11/28/00	Nakata			
	6,676,726	1/13/04	Endo et al			
	2003/0029273	2/13/03	Endo et al			

Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country/Agency	Class	Subclass	Translation	
						Yes	No
	JP-B 29-4380	7/17/54	JAPAN			X	
	JP-6184607	7/5/994	JAPAN			X	
	JP-6228612	8/16/94	JAPAN			X	
	JP-3162507	7/12/91	JAPAN			X	
	JP-1246307	10/2/89	JAPAN			X	
	JP-5415662	2/5/79	JAPAN			X	
	WO99/22048	5/6/99				X	
	JP-2000/192112	7/11/00	JAPAN			X	

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

Examiner

Date Considered

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.